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🔍 Title: **JP06228186A2: 2'-DEOXY-@(3754/24)2'S)-ALKYLPYRIMIDINE NUCL
DERIVATIVE**

🔍 Derwent Title: New 2'-deoxy-(2'S)-alkyl:pyrimidine nucleoside derivs. - are antiviral
agents against e.g. herpes simplex. [\[Derwent Record\]](#)

🔍 Country: **JP Japan**

🔍 Kind: **A**

🔍 Inventor: **MATSUDA AKIRA;
SHUTO SATOSHI;
BABA MASANORI;
SHIGETA SHIRO;
SASAKI TAKUMA;**

🔍 Assignee: **YAMASA SHOYU CO LTD**
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🔍 Published / Filed: **1994-08-16 / 1993-01-29**

🔍 Application **JP1993000034495**

Number:

🔍 IPC Code: **C07H 19/06; A61K 31/70;**

🔍 Priority Number: **1993-01-29 JP1993000034495**

🔍 Abstract: **PURPOSE:** To obtain the subject new derivative, composed of a
2'-deoxy-(2'S)- alkylpyrimidine nucleoside derivative, having
excellent antiviral activity, good in absorbability, solubility and
stability with hardly any side effects and useful as an antiviral agent,
etc.

CONSTITUTION: The 2'-position of the saccharide part in a
pyrimidine nucleoside derivative expressed by formula I (R1 is
amino or OH; Z is protecting group) is alkylated with an alkylating
agent (e.g. methylmagnesium bromide) to provide a compound
expressed by formula II (R3 is lower alkyl). The hydroxyl group at
the 2'-position of the saccharide part in the produced compound
expressed by formula II is then acylated with an acylating agent
(e.g. methyloxalyl chloride) and subsequently reduced with a
reducing agent (e.g. tributyltin hydride) to afford a compound
expressed by formula III. The basic part at the 5-position thereof is
further halogenated with a halogenating agent (e.g. N-
iodosuccinimide) and the protecting group of the saccharide part is
then released. The 5'-position of the saccharide part, as necessary,
is subsequently phosphorylated to afford the objective nucleoside
derivative expressed by formula IV (R2 is halogen; R4 is H or
phosphoric acid residue).



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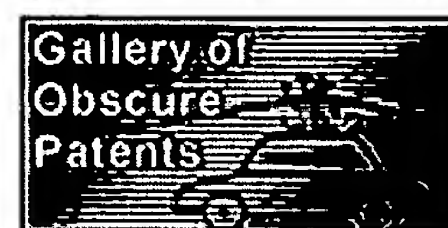


Family: None

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References:

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6914054	2005-07-05	Sommadossi; Jean-Pierre	Idenix Pharmaceuticals, Inc.	Methods and co for treating hep
	US5627053	1997-05-06	Usman; Nassim	Ribozyme Pharmaceuticals, Inc.	2'deoxy-2'-alkyl containing nucle

Other Abstract
Info:CHEMABS 122(03)031836U CAN122(03)031836U DERABS C94-299800 DERC94-29
JAPABS 180601C000160 JAP180601C000160

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